

WSDOT Site Id	WSDOT District	Road	Mile	Stream	Tributary to	WRIA	Feature Type	Fishway attached to the Feature	% Fish Pass (>=200 m)	Significant Reach	Culvert No.	Shape	Material	Span (m)	Length (m)	Bed Material	Water Surface Difference	Drop (m)	Road Fill Depth (m)	
992045	North Central	97AR	220.76	Byrd Canyon Cr	Columbia R	46.0380	Culvert	No	33	Yes	1.1 RND	FCC	0.80	48.35	No	0.00	3.26	9.00		
992043	North Central	97AR	222.02	Oklahoma Gulch	Columbia R	47.0002	Culvert	No	0	Yes	1.1 RND	FCC	1.40	1.40	44.34	Unk	0.00	3.87	2.74	
992043	North Central	97AR	222.02	Oklahoma Gulch	Columbia R	47.0002	Culvert	No	0	Yes	1.2 RND	FCC	1.40	1.40	44.34	Unk	0.00	3.99	2.74	
993116	North Central	SR 153	7.62	Squaw Cr	Methow R	48.0043	Culvert	No	0	Yes	1.1 BOX	CPC	1.22	1.22	27.63	No	1.35	0.76	4.00	
993123	North Central	SR 153	24.30	Leecher Canyon Cr	Methow R	48.0265	Culvert	No	0	Yes	1.1 RND	FCC	0.45	42.80	No	0.00	2.00			
993392	North Central	SR 155	60.76	Omak Cr	Okanogan R	49.0138	Culvert	No	67	Yes	1.2 RND	FCC	0.91	1.91	16.90	No	0.37	1.70	2.00	
993392	North Central	SR 155	60.76	Omak Cr	Okanogan R	49.0138	Culvert	No	67	Yes	1.2 RND	FCC	1.22	1.22	19.60	Yes	0.00	1.80	2.00	
993393	North Central	SR 155	60.92	Trail Cr	Omak Cr	49.0179	Culvert	No	33	Yes	1.1 RND	FCC	1.22	1.22	17.30	No	0.00	2.10	2.00	
993395	North Central	SR 155	62.41	Unnamed	Omak Cr	49.0173	Culvert	No	0	Yes	1.1 RND	FCC	1.22	1.22	33.59	No	0.20	5.86	4.50	
993397	North Central	SR 155	65.05	Clark Cr	Omak Cr	49.0165	Culvert	No	0	Yes	1.1 RND	CST	0.76	0.76	34.30	No	0.42	3.23	3.50	
993398	North Central	SR 155	65.59	Swimplikin Cr	Omak Cr	49.0160	Culvert	No	0	Yes	1.1 RND	CST	0.91	0.91	21.18	No	0.19	3.29	2.50	
992845	North Central	SR 155	66.94	Sapaloo Cr	Omak Cr	49.0152	Culvert	No	33	Yes	1.1 RND	CST	1.90	1.90	45.51	No	0.46	2.30	7.00	
994008	North Central	SR 155	7.10	Haley Cr	Omak Cr	49.0143	Culvert	No	33	Unknown	1.1 RND	CST	0.61	0.61	20.91	Yes	0.00	2.06	1.00	
990182	North Central	SR 155	75.81	Mission Cr	Omak Cr	49.0139	Culvert	No	0	Yes	1.1 BOX	CPC	2.45	2.45	42.89	No	1.02	9.20	8.00	
990152	North Central	SR 17	126.50	Unnamed	Foster East Cr	50	Culvert	No	0	Unknown	1.1 RND	CST	1.22	1.22	36.38	Unk	0.15	1.00		
990154	North Central	SR 17	131.30	Unnamed	Columbia R	50	Culvert	No	0	Unknown	1.1 BOX	FCC	1.37	1.37	21.95	Unk	0.19	2.50		
994050	North Central	SR 173	11.80	Swamp Cr	Columbia R	49.0002	Culvert	No	67	Yes	1.2 RND	CST	1.52	1.52	28.20	Yes	0.56	0.60	2.30	
994050	North Central	SR 173	11.80	Swamp Cr	Columbia R	49.0002	Culvert	No	67	Yes	1.2 RND	CST	1.52	1.52	28.10	No	0.37	0.80	2.30	
997436	North Central	SR 20	1.48-43	Unnamed	Granite Cr	04	Culvert	No	0	Yes	1.1 RND	CST	1.07	1.07	27.76	No	0.35	20.93	6.50	
997437	North Central	SR 20	1.49-42	Unnamed	Granite Cr	04	Culvert	No	0	Yes	1.1 RND	CST	0.99	0.99	43.95	No	0.00	13.95	11.00	
997438	North Central	SR 20	1.50-02	Unnamed Cr	Granite Cr	04	Culvert	No	0	Yes	1.1 RND	CST	1.14	1.14	26.92	No	0.00	10.88	5.00	
997439	North Central	SR 20	1.50-13	Unnamed	Unnamed	04	Culvert	No	0	Yes	1.1 RND	CST	1.07	1.07	30.30	No	1.50	5.76	4.50	
997441	North Central	SR 20	1.51-71	Unnamed	Granite Cr	04	Culvert	No	0	Yes	1.1 RND	CST	0.61	0.61	21.14	No	0.30	7.71	2.50	
997442	North Central	SR 20	1.51-66	Unnamed Cr	Granite Cr	04-2413	Culvert	No	33	Yes	1.1 RND	CST	0.91	0.91	24.54	No	0.00	5.13	2.00	
997443	North Central	SR 20	1.52-03	Unnamed	Granite Cr	4	Culvert	No	33	No	1.1 RND	CST	0.76	0.76	18.57	No	0.00	2.53	1.00	
997445	North Central	SR 20	1.52-46	Unnamed	Granite Cr	04	Culvert	No	0	No	1.1 RND	CST	0.91	0.91	26.69	No	1.00	8.74	4.00	
997448	North Central	SR 20	1.53-71	Swamp Cr	Granite Cr	04-2429	Culvert	No	0	Yes	1.1 ELL	CST	2.55	2.97	35.65	No	1.85	8.16	2.50	
997453	North Central	SR 20	1.54-67	Unnamed	Granite Cr	04	Culvert	No	0	No	1.1 RND	CST	1.52	1.52	30.29	No	0.65	0.92	1.50	
997114	North Central	SR 20	1.56-30	Porcupine Cr	Granite Cr	04-2453	Culvert	No	0	Yes	1.2 ELL	CST	1.32	1.63	31.25	No	1.45	10.90	3.00	
997114	North Central	SR 20	1.56-30	Porcupine Cr	Granite Cr	04-2453	Culvert	No	0	Yes	2.2 ELL	CST	1.32	1.63	30.38	No	0.60	11.20	3.00	
997575	North Central	SR 20	1.56-81	Unnamed	Granite Cr	04	Culvert	No	0	No	1.1 RND	CST	1.07	1.07	25.97	No	0.60	4.47	3.50	
997576	North Central	SR 20	1.56-86	Unnamed	Unnamed	04	Culvert	No	0	No	1.1 RND	CST	1.07	1.07	31.85	No	0.20	14.30	6.50	
997576	North Central	SR 20	1.63-61	Unnamed	Early Winters Cr	48	Culvert	No	0	No	1.1 RND	CST	1.22	1.22	81.94	No	2.05	14.40	7.00	
990342	North Central	SR 20	1.68-25	Pine Cr	Early Winters Cr	48-1528	Culvert	No	0	Yes	5.44	1.1 SQSH	SPS	3.47	2.24	19.33	No	0.80	4.91	1.50
993163	North Central	SR 20	1.68-30	Unnamed	Early Winters Cr	48.0000	Culvert	No	0	No	1.1 RND	CST	0.91	0.91	22.24	No	0.47	7.21	5.00	
993171	North Central	SR 20	1.69-31	Unnamed	Early Winters Cr	48.0000	Culvert	No	0	No	1.1 RND	CST	0.76	0.76	19.24	No	0.75	7.34	3.00	
993179	North Central	SR 20	170.73	Silver Star Cr	Early Winters Cr	48.0000	Culvert	No	0	No	1.1 ARCH	SPS	2.48	1.80	37.81	No	0.00	10.55	1.00	
993184	North Central	SR 20	171.97	Unnamed	Early Winters Cr	48	Culvert	No	0	No	1.1 RND	CST	1.22	1.22	27.10	No	0.00	18.30	5.00	
990468	North Central	SR 20	173.16	Varden Cr	Early Winters Cr	48-1479	Culvert	No	0	Yes	4.66	1.1 SQSH	SPS	5.50	2.38	31.10	No	0.10	10.40	5.00
993207	North Central	SR 20	174.98	Pekin Cr	Early Winters Cr	48	Culvert	No	0	Yes	3.05	1.1 SQSH	SPS	2.32	1.66	19.64	No	0.22	5.50	2.00
990228	North Central	SR 20	181.34	Little Boulder Cr	Methow R	48-1400	Culvert	Yes	0	Yes	15.67	1.1 SQSH	SPS	2.72	1.89	25.95	No	0.00	3.50	
993230	North Central	SR 20	183.93	Boesel Canyon Cr	Division Ditch	48	Culvert	No	0	Yes	4.91	1.1 RND	CST	0.61	0.61	25.89	No	0.02	10.30	2.00
990378	North Central	SR 20	188.17	Unnamed	Methow R	48	Culvert	No	33	Yes	7.72	1.1 SQSH	CST	0.91	0.61	24.37	No	0.00	3.25	2.44
980114	North Central	SR 20	205.84	Beaver Cr	Methow R	48-0307	Culvert	No	67	Yes	43.61	2.2 RND	CAL	1.22	1.22	15.16	No	0.15	0.81	4.57
980114	North Central	SR 20	205.84	Beaver Cr	Methow R	48-0307	Culvert	No	67	Yes	43.61	1.2 BOX	CPC	1.83	1.83	0.00	0.00	0.67	4.57	
980124	North Central	SR 20	206.85	Frazier Cr	Beaver Cr	48-0309	Culvert	No	67	Yes	19.05	1.2 RND	CST	0.91	0.91	12.29	No	0.18	1.55	
980124	North Central	SR 20	206.85	Frazier Cr	Beaver Cr	48-0309	Culvert	No	67	Yes	19.05	2.2 RND	SPS	0.91	0.91	12.21	No	0.18	1.82	

WSDOT District	Site Id	Road Post	Mile Stream	Tributary to	WRA Feature	Fishway attached to % Fish Pass (≥ 200 m)	Significant Reach	Culvert No ¹	Material	Span (m)	Length (m)	Bed Material Present	Water Surface Difference	Road Fill Depth (m)	Slope
North Central	980131	SR 20	208.44	Unnamed	Frazer Cr	48.0309A Culvert	No	0	6.61	1.1 RND	CST	0.46	14.97	No	6.08
North Central	993405	SR 20	213.99	Frazer Cr	Beaver Cr	48.0309 Culvert	No	33	3.29	1.1 RND	CST	0.61	18.30	No	1.83
North Central	993815	SR 20	215.96	Summit Cr	Loup Loup Cr	49.0053 Culvert	No	33	2.17	1.1 RND	CST	0.91	114.20	No	6.00
North Central	993817	SR 20	218.48	Summit Cr	Loup Loup Cr	49.0054 Culvert	No	33	4.11	1.1 RND	CST	0.91	18.90	No	3.00
North Central	990406	SR 20	219.38	Summit Cr	Loup Loup Cr	49.0054 Culvert	No	0	5.78	1.1 RND	CST	1.37	29.10	No	3.10
North Central	991687	SR 20	220.10	Unnamed	Summit Cr	49.0054 Culvert	No	33	4.65	1.1 RND	OTH	0.76	35.67	No	2.00
North Central	993818	SR 20	220.85	Summit Cr	Loup Loup Cr	49.0054 Culvert	No	0	6.61	1.1 RND	PCC	1.22	23.40	No	4.40
North Central	990247	SR 20	223.18	Little Loup Cr	Loup Loup Cr	49.0052 Culvert	No	0	2.00	1.1 OTH	OTH	3.19	112.48	No	4.00
North Central	990418	SR 20	224.49	Tallant Cr	Okanogan R	49.0055 Culvert	No	0	4.11	1.1 RND	PCC	1.07	22.30	No	4.80
North Central	993824	SR 20	225.60	Tallant Cr	Okanogan R	49.0055 Culvert	No	33	5.78	1.1 RND	PCC	1.52	25.92	No	3.00
North Central	990419	SR 20	226.27	Tallant Cr	Okanogan R	49.0055 Culvert	No	0	6.61	1.1 BOX	CFC	1.18	2.49	25.50	No
North Central	990420	SR 20	226.96	Tallant Cr	Okanogan R	49.0055 Culvert	No	0	3.83	1.1 RND	CST	1.22	31.98	No	5.60
North Central	990421	SR 20	227.22	Tallant Cr	Okanogan R	49.0055 Culvert	No	33	3.3	1.1 RND	CST	0.91	19.10	No	5.00
North Central	990421	SR 20	227.22	Tallant Cr	Okanogan R	49.0055 Culvert	No	33	2.3	1.1 RND	OTH	0.61	18.40	No	4.70
North Central	990421	SR 20	227.22	Tallant Cr	Okanogan R	49.0055 Culvert	No	33	1.3	1.1 RND	CST	0.76	17.80	No	5.00
North Central	994020	SR 20	263.40	Bonaparte Cr	Okanogan R	49.0246 Culvert	No	33	3.89	1.1 BOX	CFC	3.06	1.86	29.96	No
North Central	994021	SR 20	263.62	Bonaparte Cr	Okanogan R	49.0246 Culvert	No	33	4.21	1.1 BOX	CFC	3.06	1.86	28.82	No
North Central	994022	SR 20	264.08	Bonaparte Cr	Okanogan R	49.0246 Culvert	No	33	4.89	1.1 BOX	CFC	3.06	1.84	29.91	No
North Central	994025	SR 20	265.57	Unnamed	Bonaparte Cr	49 Culvert	No	0	Unknown	1.1 RND	PCC	0.61	25.30	No	4.00
North Central	994030	SR 20	266.09	Bonaparte Cr	Okanogan R	49.0246 Culvert	No	33	No	1.1 BOX	CFC	3.05	1.84	28.70	No
North Central	994031	SR 20	266.22	Bonaparte Cr	Okanogan R	49.0246 Culvert	No	67	2.14	1.1 BOX	CFC	3.05	1.85	25.78	No
North Central	994035	SR 20	278.30	Bonaparte Cr	Okanogan R	49.0246 Culvert	No	33	7.9	1.1 BOX	CFC	2.15	1.82	15.10	No
North Central	994037	SR 20	283.52	Unnamed	Bonaparte Cr	49 Culvert	No	0	9.57	1.1 BOX	CFC	2.15	1.84	29.40	No
North Central	994043	SR 20	284.52	Unnamed	Bonaparte Cr	49 Culvert	No	67	7.6	1.1 RND	CST	0.76	0.76	3.92	4.00
North Central	994047	SR 20	284.52	Unnamed	Columbia R	41 Culvert	No	0	7.6	1.1 RND	PCC	0.76	0.76	13.90	1.50
North Central	990493	SR 243	1.79	Unnamed	Columbia R	41 Culvert	No	0	7.6	1.1 RND	CST	1.07	22.86	Link	3.50
North Central	991762	SR 26	1.79	Sand Hollow Cr	Columbia R	41.2151 Culvert	No	0	13.03	2.2 RND	PCC	1.22	1.22	26.20	Link
North Central	991762	SR 26	1.79	Sand Hollow Cr	Columbia R	41.2151 Culvert	No	0	Yes	1.1 BOX	CFC	2.15	1.82	15.10	No
North Central	990570	SR 26	29.87	Lower Crab Cr. Wasteway	Lower Crab Cr	41 Culvert	No	33	Yes	1.1 RND	CAL	2.50	2.50	26.20	No
North Central	990571	SR 26	29.95	Lower Crab Cr. Wasteway	Lower Crab Cr	41 Culvert	No	0	Yes	1.1 RND	CST	1.10	1.10	26.82	No
North Central	991776	SR 28	2.31	Unnamed	Columbia R	44 Culvert	No	33	Yes	1.1 RND	PCC	1.22	1.22	38.41	No
North Central	991947	SR 28	2.32	Sand Canyon Springs	Columbia R	44.0756 Culvert	No	0	8.95	1.1 BOX	CFC	1.52	1.52	19.81	Yes
North Central	991774	SR 28	7.44	Unnamed	Columbia R	44 Culvert	No	0	Yes	1.1 RND	PCC	0.46	0.46	27.80	No
North Central	990682	SR 28	22.72	Lynch Coulee	Columbia R	41 Culvert	Yes	0	9.06	1.1 BOX	IICC	3.66	3.05	113.39	No
North Central	997814	SR 28	40.56	Unnamed	Unnamed	41 Culvert	No	0	Yes	1.1 RND	CST	3.66	3.66	55.67	No
North Central	990282	US 2	82.06	Unnamed	Nason Cr	45.0056 Culvert	No	0	19.09	1.1 RND	CST	0.91	0.91	1.50	0.05
North Central	992255	US 2	107.43	Unnamed	Wenatchee R	45.0214 Culvert	No	0	4.23	1.1 RND	CST	1.09	0.45	115.91	0.00
North Central	996388	US 2	111.46	Unnamed	Wenatchee R	45.0072 Culvert	No	0	Yes	1.1 ARCH	CST	1.84	1.17	37.47	Yes
North Central	990444	US 2	152.92	Mill Cr	Swauk Cr	39.1188 Culvert	No	67	6.11	1.1 RND	ECC	0.91	0.91	111.86	No
North Central	990445	US 2	158.32	Iron Cr	Swauk Cr	39.1209 Culvert	Yes	67	2.57	1.1 SOSH	SPS	1.81	24.00	No	3.50
North Central	990446	US 2	164.70	Trosten Cr	Yakima R	39.1157 Culvert	No	67	9.02	1.1 SOSH	SPS	1.69	1.83	24.45	No
North Central	997564	US 2	166.23	Trosten Cr	Yakima R	39.1157 Culvert	No	0	10.74	1.1 SOSH	SPS	2.72	1.86	36.09	No
North Central	990444	US 2	167.00	Trosten Cr	Peshastin Cr	45.0346 Culvert	No	0	5.61	1.2 RND	ECC	0.61	0.61	67.06	No
North Central	990445	US 2	167.77	Trosten Cr	Peshastin Cr	45.0346 Culvert	No	0	5.61	2.2 RND	FCC	0.61	0.61	67.06	No
North Central	990446	US 2	166.23	Trosten Cr	Peshastin Cr	45.0346 Culvert	No	0	7.5	1.1 RND	CST	1.07	1.07	36.58	No
North Central	997564	US 2	232.94	Unnamed	Columbia R	44 Culvert	No	0	8.12	1.1 RND	CST	1.07	1.07	30.48	No
North Central	990444	US 2	232.94	Unnamed	Columbia R	44 Culvert	No	0	8.59	1.1 ELL	SPA	2.59	3.43	43.97	No

Site Id	WSDOT District	Road	Mile Post	Stream	Tributary to	WRIA	Feature attached to the % Fish Pass (≥200 m)	Culvert No	Material	Span (m)	Rise (m)	Length (m)	Bed Material Present	Water Surface Difference	Drop (m)	Road Fill Depth (m)	Slope
997566	North Central	US 97	235.30	Bebbe Cr	Columbia R	47	Culvert	No	33	Yes	1.22	1.22	43.51	No	0.08	2.13	
997567	North Central	US 97	235.65	Unnamed	Columbia R	47	Culvert	No	33	Yes	0.91	34.28	No	0.12	2.65	5.00	
992051	North Central	US 97	260.28	Swamp Cr	Columbia R	49	Culvert	No	0	Yes	1.24	1.24	No	0.00			
993915	North Central	US 97	261.24	Unnamed	Columbia R	49	Culvert	No	0	Yes	5.17	1.1	BOX	2.44	2.42	91.90	
990217	North Central	US 97	299.03	Johnson Cr	Okanogan R	49	Culvert	No	33	Yes	4.88	1.1	SOSH	CST	1.90	1.00	21.64
993964	North Central	US 97	324.67	Mosquito Cr	Okanogan R	49/321	Culvert	No	67	Yes	1.1	1.1	RND	PCC	2.13	2.13	16.70
991643	North Central	US 97	325.87	Unnamed	Okanogan R	49	Culvert	No	67	Yes	1.1	1.1	RND	PCC	1.22	1.22	28.10
993971	North Central	US 97	328.16	Whistler-Canyon Cr	Okanogan R	49	Culvert	No	33	Yes	4.44	1.1	RND	PCC	0.91	0.91	35.30

There are 1538 WSDOT barrier features inventoried as of March 2006. The number of records in this spreadsheet exceeds 1538 due to the existence of multiple pipes at some crossings, referred to as Culvert Numbers (see explanations below).

¹The culvert number identifies individual culverts at multiple stream crossings. Format X.Y, where X = specific culvert number, and Y = total number of culvert at a crossing. For example, in a triple culvert crossing, the first pipe would be 1.1, the second 2.3, and the third 3.3.

Culvert Material
 PCC - precast concrete
 CST - corrugated steel
 SST - smooth steel
 CAL - Corrugated aluminum
 SPS - structural plate steel
 PVC - plastic
 TMB - timber
 MRY - masonry
 OTH - other
 SPA - structural plate aluminum
 CPC - cast in place concrete

Culvert Shape:

ARCH - bottomless arch
 SOSH - seashell
 RND - round
 BOX - rectangular
 ELL - ellipse
 OTH - other